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COMPUTER SCIENCE ENGINEERING DEPARTMENT MAGAZINE

2018-19

EDITORS MESSAGE

Hi guys,

Welcome to the 2018-19 issue of NSAKCET Magazine. This year proved to be yet another important year for Co-curricular activities. Various Seminars, Guest Lectures, Field Trips were organized by the Computer Science and Engineering Department.

I feel honored to be a First-year student and yet be given an opportunity to showcase my talent as a Content Writer. I had (a lot of) difficulties piecing together the events as it was my first time doing something like this, but I had a lot of help. Thanks to them I was able to complete this before the deadline.

In addition to the above, here's one of my Favourite Quotes from Madara Uchiha, "Wake up to Reality! Nothing ever goes as planned in this accursed world. The longer you live, the more you will realize that the only things that exist in this reality are merely pain, suffering, and futility. Listen... everywhere you look in this world wherever there is light, there will also be shadows to be found as well. And as long as there is a concept of victors, the vanquished will also exist. The selfish intent of wanting to preserve peace initiates wars. And hatred is born in order to protect love. There are nexuses, causal relationships that cannot be separated."

Happy Reading!
Mohammed Talal Shafeeq, CSE (1ST Year).

Using program analysis for optimization

COMPUTER SCIENCE AND ENGINEERING Department had organized a seminar entitled "Using Program analysis for Optimization" on 18 August 2018.

The session was set in motion by Ms. Syeda Farhath Begum (Senior Computer Science Professor), enlightening the students on what Optimized Programming entails.

This event was organized to highlight the importance of Optimized Programs which are beneficial for students and the opportunities they can grab from learning them.

This session enlightened our audience with loads of perks of being a high-end level programmer in student and professional life.

There were a total of 70 attendees from the 3rd and 4th year along with the respective faculties of each year. The session being not more than 4 hours was compact with a lecture and a Q&A session.

Basic Python Workshop

A Workshop was conducted on the topic "Basic Python" on 5th January 2019. The Workshop was led by Mr. Abdul Muqeeth (Senior Computer Lab Professor).

The workshop was conducted and organized by the Computer Science Engineering Department for 2nd and 3rd-year students. As the need for Python programming increased, the department felt the necessity for conducting a workshop on Python to go along with the upcoming syllabus and to build a strong baseline for the students.

Database Management Systems

COMPUTER SCIENCE AND ENGINEERING Department had organized a guest lecture for "Database Management Systems" on 22nd February, 2018.

 The session started with a warm welcome and introduction of the speaker by Ms. Firdous Rehana (Senior Assistant Professor).

The guest lecturer, Dr. G. Rami Reddy (Professor JNTUH) continued the lecture by highlighting the importance of Database Management and the opportunities students can grab from them. There were a total of 80 attendees from the 3rd and 4th year along with the respective faculties of each year.

The session was refining and filled the students with excitement to the brim. The session ended with a one-to-one Q&A session between the student and the Speaker.

Data Analytics Seminar

"The goal is to turn data into information, and information into insight".
- Carly Fiorina, ex-CEO of Hewlett-Packard.

The seminar was held on 20th October, 2018 by Dr. M.S.Qaseem, Vice Principal

& Head of CSE Department on the illuminating topic of "Data Analytics". Simply put Data analytics is the science of analyzing raw data to make conclusions about that information. The techniques and processes of data analytics have been automated into mechanical processes and algorithms that work over raw data for human consumption.
The 3 hour long interactive seminar was attended by 3rd year students of the Computer Science Department.

Industrial visit to AmTech Software Solutions

An industrial visit for "AmTech Software Solutions" was organized as a part of the student's curriculum for "CMS Development" for the 3rd and 4th-year Computer Science Engineering department on 22nd March 2019. This visit was carried out under the major activity head of "Technical/Research Skill". A total of 70 students participated in this industrial visit. This AmTech Software Solutions industrial visit for students was guided and accompanied by Dr. M. S. Qaseem and Prof. Mohd Khaleel Ahmed. The main focus of this industrial visit was to fill the bridge between technical concepts taught in the curriculum and industry-applied concepts.

Various technical concepts were discussed with the students which are applied in the field of CMS Development. The students were guided to the basic knowledge of WordPress Development, Drupal Development, and Kentico development-based drives. All students were divided into small batches of 20. The training supervisor from AmTech Software Solutions accompanied the student group and showed them the control room, line production of drives, and company videos.

Linux, Python, and open source software

"The programmers of tomorrow are the wizards of the future.You're going to look like you have magic powers compared to everyone else". - Gabe Newell

A 2-day Workshop on "Linux, Python" was organized on 27th-28th July, 2019. by the Computer Science Engineering Department.

Eloquent Speakers Dr. C. Krishna Mohan, IIITH, and Dr. L. Pratap Reddy, JNTUH guided the students through a communal and instructive seminar along with living presentations of applicable and useful programs.
The first day consisted of a 5-hour lecture (with interim breaks) by Dr. C. Krishna Mohan on Linux followed by his own achievements and his proactive approach towards Linux.
The second day began with a review of the first day and continued with the next topic at hand, being Python. Dr. L. Pratap Reddy carried Day-2 with his articulate lecture and live program demonstrations.
The Workshop came to an end with a congratulatory note from Dr. M. S. Qaseem, Vice Principal and Head of Department.

Network Security Tools

COMPUTER SCIENCE AND ENGINEERING Department had organized a seminar entitled "Network Security Tools" on 22nd September 2018.

The session was led by Mr. Mohd Khaleel Ahmed, enlightening the students on the different Network Security tools.

This event highlights include a talk on software-based protection tools like firewalls, intrusion detection systems, and network-based antivirus programs.

There were a total of 80 attendees from the 3rd and 4th year along with the respective faculties of each year. The session extended over a period of 3 hours with an interesting Q&A bout between the students and the lecturer.
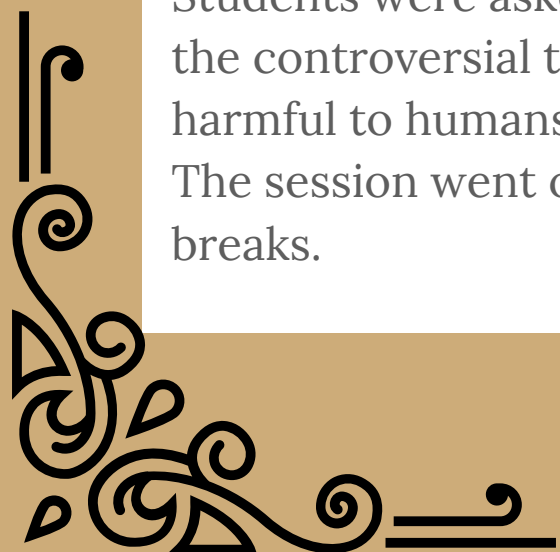
Artificial Intelligence

"Computers will overtake humans with AI within the next 100 years. When that happens, we need to make sure the computers have goals aligned with ours" - Stephen Hawking

The Computer Science Engineering department held a guest lecture on the persistently brought-up topic of "Artificial Intelligence" on 6th October 2018. The Guest lecturer gave an insightful and thought-provoking lecture. The highlights include the growing need for Artificial Intelligence and how it's being predominantly used to make humans live better. And also the dangers of AI, if it were left unchecked.

Students were asked to write a report about their views on the controversial topic of "Is Artificial Intelligence useful or harmful to humans" for which we received mixed opinions. The session went on for a total of 6 hours with interim breaks.
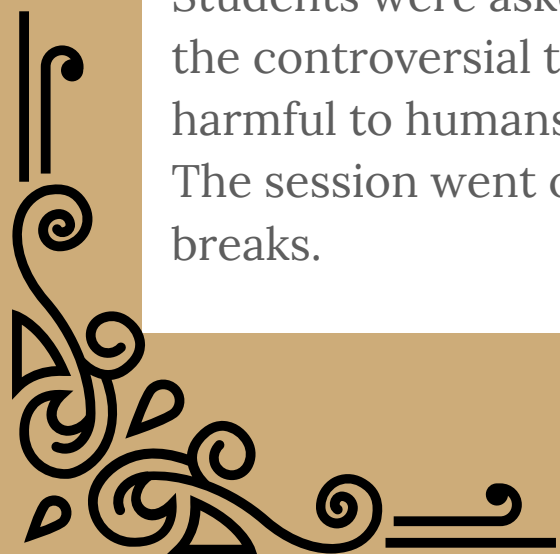
Cyber Security

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Working Models - Techno vision, a summit of Innovation and Technology

One of the biggest highlights of this year was the awe-inspiring and the most awaited "Working Models - Techno Vision" event

which gave the students an opportunity to showcase their talents without any boundaries. The event was held on 28th February 2018. The Techno Vision event was a large-scale event that was in the works for almost a month. Students had a month to showcase their true colors and they did an amazing job at it.

The event began at 10.00 am with a welcoming speech by Ms. Syeda Farhath Begum followed by an inspirational speech by the Principal of Nawab Shah Alam Khan College of Engineering and Technology Dr. Mohammed Sattar and Vice-Principal Admin & Professor of Civil Engineering Syed Farrukh Anwar.

The event included both Technical and Non-Technical aspects being:

Coding, Project display, Robo Rally, Technical Quiz, Circuit debugging, Open Mic, Food stalls, and much more.

Some of the highlighted projects include:
A computer-based Technical Quiz program - A Rapidfire Quiz consisting of auto-changing questions which upon answered correct moves to the next question and if answered, wrong ends the game.
An IoT-based Multi-purpose Wireless Automation Project - This project consisted of various day-to-day use objects like a bulb, fan, lights, and much more that were controlled with the help of a smartphone.

The Hack-me-If-you-can project - This project was a double-end competition. On one hand, we had the Project manager who was skilled in network security who challenged everyone to break all the firewalls and hack the system before the manager could build more.
The earthen pot that evaporates water with the help of a CODE - A simple coded earthen pot consisting of a heating mechanic that heats the inside of the pot to the point of evaporation but still keeps the outside temperature moderate.
And many more...
Other events & games included:
Musical Chairs, Open Mic Contest, Karaoke, Talent show, etc
Numerous Food Stalls were installed by the students.
The Judges of the event, Principal Dr. Mohammed Sattar and Vice-Principal Syed Farrukh Anwar distributed the awards to the best Working Models of Techno Vision. The event ended with a Thank You Note from Mr. M. S. Qaseem Head of the Department of CSE and a Farewell Note by Ms. Firdous Rehana.

CREATIVITY IS SEEING THE SAME THING BUT THINKING DIFFERENTLY

A. P. J. ABDUL KALAM